HOURI ALSAFWA

$ senior_software_engineer

Newcastle upon Tyne, UK
en8@live.com
+447751569752
hourialsafwa.com
linkedin.com/in/houri-alsafwa-1b485911a

// SUMMARY

Versatile engineer with more than a **decade** of achievements. Focused on researching, developing, testing, deploying and maintaining **optimal solutions** with peak **performance.** Solving short and long term problems while streamlining businesses' and consumers' workflows, learning and adapting to the market's latest cutting edge technologies, while balancing between **simplicity, minimalism, security, scalability** and **correctness.**

// CORE_SKILLS

> .NET / C#
> Blazor & Web API
> Microservices & real-time systems (SignalR)
> Azure, GCP & Docker
> PostgreSQL & SQL Server
> Agentic AI & LLM integration
> Agile delivery, TDD & clean architecture
> Regulated domains (FCA, ISO 13485)

languages: English (Fluent) · Arabic (Native)

// TECHNICAL_EXPERTISE

methodologies: Agile / Scrum · TDD · Clean Architecture · SOLID · Microservices · CI/CD (Azure DevOps)

frameworks: .NET C# · Blazor · Web API · MVC · SignalR · MAUI · EF · FluentValidation · JavaScript · HTML · CSS · Material UI Design

cloud_devops: Azure · GCP · Docker · Git

data: Postgres · SQL Server · SQLite

ai_ml: Ollama · Agentic AI · OpenAI API · Claude API · Codex · MCP · ML.NET · LLaMA · GitHub Copilot

tools: XUnit · QuestPDF · Plotly

specialisms: Multithreading · Image Processing · Signal Processing · Visualisation · Globalisation & Localisation · Payment Integrations

// CERTIFICATIONS

Microsoft Applied Skills, Microsoft (Apr 2025)
Develop an ASP.NET Core web app that consumes an API.

Training Certificate, Oracle Amman (Jun 2017–Aug 2017)
Cloud Computing, IoT, Bigdata, In Memory Databases and Solaris OS.

// ROLE_HISTORY (+13 years)

REDGATE — Senior Software Engineer

Aug 2026 — Present

Recently joined Redgate as a Senior Software Engineer, working within their database DevOps tooling product line based in Cambridge, UK.

EVENT HORIZON SOFTWARE LIMITED — Senior Software Engineer

Aug 2025 — Aug 2026

Working within the UK reinsurance and InsurTech sector, specifically supporting Flood Re, the government-backed flood reinsurance scheme. Designed, developed and delivered a high-performance bordereaux ingestion and validation system to manage complex insurance and financial datasets at scale. Delivering in Agile two-week sprints with regular stakeholder reviews, built robust ingestion pipelines processing millions of policies and financial transactions, with rigorous validation to meet FCA regulatory compliance standards. Integrated GitHub Copilot and Claude into daily engineering workflows, noticeably accelerating delivery pace and code quality across the team.

QGEMS ENERGY — Senior Software Engineer

Mar 2024 — Jun 2026

Working within the UK renewable energy and distributed energy resource market at a cleantech startup focused on virtual power plant operations and energy arbitrage. Led the engineering team in Agile Scrum with fortnightly sprints, sprint reviews and continuous stakeholder alignment. Delivered a smart energy cloud platform connecting domestic and commercial users, installers and grid operators. Championed Blazor adoption, clean architecture and SOLID principles to accelerate delivery. Enhanced CI/CD with Azure DevOps and drove AI innovation integrating ML.NET, LLAMA and OpenAI APIs to build intelligent energy forecasting and optimisation features. Used GitHub Copilot and Codex to streamline team output and reduce development overhead.

IDEANOMICS — Senior Software Engineer

Jan 2023 — Mar 2024

Working within the global electric vehicle and clean mobility industry, Ideanomics leads fleet electrification across the US, UK, Europe and the Middle East. Embedded within a large-scale Scrum team with two-week sprints and cross-functional ceremonies, leading technical delivery of telematics and fleet management microservices at scale. Trained team members in TDD and microservices architecture. Applied zero-knowledge security protocols, improved performance through local-first application design and automated infrastructure provisioning. Used GitHub Copilot and OpenAI Codex to keep the team moving at pace across a high-throughput real-time distributed platform.

FOCUS DIAGNOSTICS — Senior Full Stack Engineer

Dec 2018 — Jan 2023

Working within the in-vitro diagnostics and medical device manufacturing industry, collaborating with a multidisciplinary team of hardware, electronics and software engineers to research and develop coagulometers, chemistry and electrophoresis analysers. Delivered across iterative Agile sprint cycles with strict ISO 13485 traceability and medical compliance requirements, spanning desktop, web, backend and firmware development. Applying thorough engineering practices across each stack yielded comprehensive, highly available real-time solutions with measurable improvements in device throughput and reliability.

TASHFIER — Full Stack Engineer

Jul 2013 — Dec 2018

Working as part of a digital services consultancy and software agency delivering products across healthcare, e-commerce, logistics and public sector verticals. Led and contributed

to small, medium and large teams both on-premises and remotely across the Middle East and UK. A significant stepping stone into building professional, highly scalable software from scratch. Involved in backend, web and mobile development across a range of client engagements. Implemented social media intent processing algorithms yielding a 72% improvement in customer support agent efficiency.

ASU — Full Stack Developer — Sep 2017 — Nov 2017

Collaborated with the dean of engineering department and ABET representatives to produce a paperless and automated system.

// EDUCATION_&_TRAINING

MSc CS Merit, Newcastle University (Sep 2018–Sep 2019)

BEng (Honours 1st), Applied Science University (Sep 2013–Sep 2017)

// VOLUNTARY_WORK

SAB — Tutor — Feb 2015 — Apr 2015

CEO of TASHFIER and I aided in teaching Syrian refugees in Amman, we taught mathematical and logical operations and introduced C syntax programming.

// INTERESTS

Cycling · Hiking · Travelling with family · Dogs & animals · Cars